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GLADIOLUS



**A. H.
NICHOLS**

SANTA MARIA, CALIFORNIA

A. H. NICHOLS

Gladiolus Bulbs

1936



MAMMOTH WHITE



California License

620



Santa Maria

Santa Barbara County

California

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GLADIOLUS

1936

ANOTHER of our catalogues, and this year we are glad to tell you we have found a control for Thrips which have been troubling some of you, particularly those who planted late. We have been fortunate in our plantings, due, we are sure, to the use of the method described farther on.

OUR gardens were beautiful this season; again acres of bloom. More visitors than ever—in fact one of the sight-seeing bus lines made regular stops so that tourists from other states might see our fields. We were glad too, to have so many of our customers of other years stop, some of whom had not been in to see us for a year or two, for we take a very personal interest in all our contacts.

FOR those who have never been in to see us, we want to tell you what we are growing in this part of California known as "The Valley of Gardens." Here are two of the most famous flower seed farms in the world and also acres of the finest vegetable fields which produce many hundred car loads shipped all over the country.

WE have had many years experience in growing Gladiolus commercially, and every phase of producing quality bulbs has our personal supervision. We chose our location as particularly adapted to growing fine bulbs and the results have justified our choice as year after year we find a ready market for all we grow; largely with the same customers. We are often told that our fields resemble the tulip fields of Holland or a gorgeous piece of tapestry on a huge scale.

WE do not originate any varieties ourselves for breeding today is largely in the hands of trained hybridists, and we feel that the growing of bulbs keeps us fully occupied. We sell only those that have stood the test of competition and come out prize winners in the United States, Canada, Europe, New Zealand or Australia. Each year we list some new ones that were outstanding in our trial grounds and discard a few that have been replaced by ones of better color, growth or productive quality. However, we have occasionally listed one that is not a **great** Gladiolus, but which has so much charm that on seeing it in our showroom it has been ordered by many and we thus know that in your garden it will please you.

VISITORS are cordially welcome whether they order or not. Our Gardens are directly on the Coast Highway 101, one mile south of Santa Maria. If you are coming this way during July or August drive in and see the flowers, both fields of them and the separate spikes in our out-of-doors showroom. Seeing them at close range gives you a much better idea of their lovely coloring, for try as we may no catalogue description does them justice and we soon run out of adjectives. If the flowers are gone, stop in and talk over your garden enthusiasms. We are flower lovers too, aside from our business.

IN addition to our careful growing, this year we have fitted up a new fumigating chamber and although we have had no Thrips damage we are going to fumigate all our bulbs with Cyanide gas. This is to assure you that any and all of our bulbs are protected from Thrips to the best of our ability.

Sincerely always,

A. H. NICHOLS.

INFORMATION ABOUT ORDERING

PLEASE READ CAREFULLY

PRICES in this catalogue cancel all previous quotations. Those who placed orders while in our gardens this summer may notice some changes in prices of a few varieties which yielded better than we anticipated. To those we will send extra bulbs in adjustment. We always, however, send some extra count depending on the size of your order. No single bulb for less than 10c. At the dozen rate not less than 6 of a variety. 3 each of any variety at rates given in list. All orders accepted subject to prior sale. California customers will please add 3% to the amount of their order for Sales Tax.

CHARGES PREPAID. All retail orders amounting to \$1.50 or more will be sent post or express charges prepaid. On orders of less than \$1.50, please add 15c for packing and shipping costs.

PLACING ORDERS: Each season we receive many orders too late to fill, as we are sold out, and have to return the money sent. In order to avoid disappointment please order **early** and we will hold the bulbs until proper planting time. We acknowledge all orders received. If you desire you may make arrangements to pay at a later date than the placing of the order, satisfactory credit reference may be given or a deposit of 25% down and the balance C.O.D., but there is an extra fee on all C.O.D. shipments which you may like to save.

GUARANTEE: We guarantee all bulbs sent out by us to be first class stock, just as represented. Of course, we cannot guarantee results of planting, culture, etc. But should varieties not prove true to name, (we are only human so that mistakes do sometimes occur even with all care given), we will gladly make replacement. If shipment does not arrive in good condition, please notify us at once.

SHIPPING DATES: Bulbs will be ready for shipping about **December 1**, but where freezing weather prevails, shipments from December to March 15 go forward at the customer's risk. Orders large enough to go by Express may be shipped anytime as they guarantee against freezing. However, we prefer to keep the bulbs in our special storeroom until proper planting time in your vicinity.

SUBSTITUTION: We do not substitute unless given permission to do so.

REFERENCES: Bank of America, Santa Maria; Security-First National Bank of Los Angeles, Santa Maria Branch.

LIST OF VARIETIES

All prices are post or express charges prepaid. California orders are subject to 3% sales tax.

AIDA—Rich, dark purple-blue with small violet red blotch in the throat. Velvety and early.

Large—3 for 25c; 12 for 75c

Medium—5 for 25c; 12 for 40c

APRICOT GLOW—Clear apricot with medium sized blooms, especially lovely in flower arrangements. Early.

Large—4 for 25c; 12 for 50c

Medium—12 for 35c

ATHERTON—A new variety, new in shape, lovely in form and color. A clear soft, but not at all pale yellow. A faint glow of pink lights up the throat, star shaped florets with long petals that are not a bit "floppy." Fine spike. Note new price.

Large—50c each; 10 for \$3.50

Medium—25c each; 10 for \$2.00

AVE MARIA—Blended shades of the lighter blues; half way down the throat there is a dash of white touched with points of carmine, which adds character. Many flowers open at once.

Large—3 for 25c; 12 for 75c

Medium—5 for 25c; 12 for 40c

BAGDAD—Soft smoky old rose, almost orange under lights. Tall, new, large flowered and attractive.

Large—3 for 25c; 12 for 75c

Medium—5 for 25c; 12 for 40c

BETTY BROWN EYES—Clear orange with red brown blotches on lower petals. Mighty attractive. Medium size florets.

Large—3 for 25c; 12 for 75c

Medium—5 for 25c; 12 for 50c

BETTY NUTHALL — Orange pink with soft yellow throat, beautifully penciled lines of a soft carmine in throat. Tall, late, well ruffled. Increases rapidly. One of the best known and popular gladiolus in the world.

Large—3 for 25c; 12 for 75c

Medium—5 for 25c; 12 for 40c

BILL SOWDEN — Immense, massive, deep blood red, often flaked darker. 5 to 6 open at once, stems are not so tall nor so stiff as Koehl.

Large—2 for 25c

Medium—2 for 20c

BLUE DANUBE — Clear amethyst blue with darker blue throat blotch. Tall, straight spike. Not quite as near blue as Konyenbourg. Lovely in your garden.

Large—2 for 25c; 12 for \$1.00

Medium—4 for 25c; 12 for 60c

BLUE TRIUMPHATOR — A huge flowered light lavender blue. If you like soft shades and large flowers of good texture you will like this one.

Large—15c each

Medium—10c each

CHAMPLAIN — The best of the new light blues or soft violet shades. Not at all washed out looking. Fine spikes, tall, healthy, early and one all of the lovers of blue in their gardens will want to grow. Stock still limited. A better "Heavenly Blue."

Large—80c each

Medium—60c each

Small—50c each

CHARLES DICKENS — If you like the warm tones this is fine. Red purple, soft wine red under lights or in the sun in your garden. Tall, 6-8 well placed velvety flowers open at once. More beautiful in masses than as a single spike. Popular cut flower.

Large—3 for 25c; 12 for 75c

Medium—5 for 25c; 12 for 40c

CLAUDE BOWERS—Looks as if it were made of cherry red velvet; not a huge flower, but one of great charm. Our visitors certainly liked it. Makes a good spike with a lot of blooms open at one time.

Large—3 for 25c; 12 for 75c

Medium—4 for 25c; 12 for 60c

COMMANDER KOEHL—This is a real attention getter. Throws huge spikes with large wide open blooms of a brilliant, deep, but not dark, red with no markings or blotches. 6 or 7 open at once. The bronze spike adds to its charm.

Large—3 for 25c; 12 for 75c

Medium—5 for 25c; 12 for 40c

CORYPHEE—A camelia-like flower of clearest pink. No words can describe its waxy beauty. The white throat adds to its charm; also the ruffled buds. A single floret, a bud or two and some fern, make a beautiful corsage. At its best in cool weather.

Large—3 for 25c; 12 for 75c

Medium—5 for 25c; 12 for 40c

CORAL PRIM—Small flowered coral pink, fine for vivid flower arrangements, high colored but soft too.

Large—4 for 25c; 12 for 50c

Medium—12 for 35c

DR. F. E. BENNETT—The well known, bright scarlet, best of scarlet reds to date.

Large—3 for 25c; 12 for 75c

Medium—5 for 25c; 12 for 40c

DR. MOODY—A good lavender, more pink in tone than Minuet. Taller, but not quite as fine; earlier, so by planting both varieties you can have this beautiful color in your garden over a long period.

Large—3 for 25c; 12 for 75c

Medium—5 for 25c; 12 for 40c

DR. NELSON SHOOK—A warm tyrian rose (American Beauty shade). Ruffled, many open on a massive spike.

Large—3 for 25c; 12 for 75c

Medium—5 for 25c; 12 for 40c

EDITH ROBSON—One of the best that has come from Australia. Fine spike of light salmon with interesting red blotch. Tall, strong growing and one we are glad to list.

Large—3 for 25c; 12 for 75c

Medium—5 for 25c; 12 for 40c

E. I. FARRINGTON—This is a delightfully ruffled, picric yellow, which is a sulphur shade; not at all pale, but cool and fresh looking. We like its fine form.

Large—3 for 25c; 12 for 75c

Medium—5 for 25c; 12 for 40c

EMILE AUBRUN—A very large, wide open flower, with a great many open at once, making a huge spike. Hard to describe, might be called a red smoky. Has a brilliant blotch of vivid red, that makes it almost iridescent.

Large—3 for 25c; 12 for 75c

Medium—12 for 40c

EMMA—Very large salmon with a red velvet blotch, long spike with many open at once. One of the best blotched pink.

Large—3 for 25c; 12 for 75c

Medium—12 for 40c

ETHELYN—A fine bronzy yellow, good sized flowers. Fine any place. As a cutting variety it would be hard to find a better one.

Large—4 for 25c; 12 for 50c

Medium—12 for 35c

FIELD MARSHAL—Another dark red smoky, nearly garnet; overcast a soft gray, has cream blotch. You can see a Scotch plaid it has so much texture. Stock limited.

Large—25c each

Medium—15c each

FRANK J. McCOY—Large rose pink with a scarlet blotch on lower petals. A long striking spike with ten or more open at once. Fine cut flower. Named for Mr. McCoy of the Santa Maria Inn.

Large—3 for 25c; 12 for 75c

Medium—12 for 40c

GAFFER—Rich, velvety dark red, our own variety. You will like it. Its warm color, fine spike, and good growing qualities have charmed visitors.

Large—15c each; 12 for \$1.50

Medium—10c each

GAY HUSSAR—A clear orange with shades of orange in throat. Tall, well-placed flowers.

Large—3 for 25c; 12 for 75c

Medium—5 for 25c; 12 for 40c

GLORIANA — Well named clear salmon of a lovely shade. Many open on a good spike. Rather early. This season we have had many stop and tell us how well they liked it in their gardens.

Large—4 for 25c; 12 for 50c

Medium—12 for 35c

GOLDEN DREAM — Deep yellow, no markings. Tall with medium season of bloom.

Large—3 for 25c; 12 for 75c

Medium—5 for 25c; 12 for 40c

GOLDFINCH—Well named; the deepest clear yellow to date. Deeper than above, petals slightly reflexed.

Large—3 for 25c; 12 for 75c

Medium—12 for 40c

GOLDEN FRILLS—A ruffled, “sassy”, golden yellow prim with pink lines in the throat. A vase of sunshine. You will like it in table arrangements.

Large—4 for 25c; 12 for 50c

Medium—12 for 35c

GOLDEN GODDESS—Mr. Salbach’s fine, new yellow, and carries the first U. S. Plant Patent given a Gladiolus. It has from 12 to 15 florets open at once, with many extra buds when grown from a large bulb. All are well placed, and the buds show a true yellow with no greenish shading. Sold subject to patent.

Large—\$2.50 each

No other sizes sold. None sold for resale.

HELEN WILLS—A fine white that opens with a canary flush but blooms out a clear white. Taller than most whites, lily-like. Florists like it. Fine keeper. Spikes good and stiff. Some like it, some prefer Mammoth White. Both are good.

Large—3 for 25c; 12 for 75c

Medium—5 for 25c; 12 for 40c

KING ARTHUR—At last there is enough stock available to list this for garden use, but it is still a grand Show variety. Immense, very ruffled flowers on a long spike, which open very flat. Like an orchid in shape and color, which is the rosy lavender so often seen in hyacinths and orchids. A prize winner when well grown.

Large—35c each; 3 for \$1.00

Medium—20c each; 2 for 35c

LA FIESTA—A bright orange with deeper throat markings, giving it a very gay appearance. 6 to 7 open at once with 16 to 18 florets on stem. Rapid increases. Only larger bulbs sold.

\$2.50 each

LAIDLEY—A lovely white with rosy pink shading on every petal. Good spike, very clear coloring.

Large—3 for 25c; 12 for 75c

Medium—5 for 25c; 12 for 40c

MAGNA BLANCA—This **extra large white** has a very soft sulphur blotch on the lower petals that gives it an **ivory tone**. Its height and size makes it outstanding in any garden.

Large—3 for 25c; 12 for 75c

Medium—5 for 25c; 12 for 40c

MAID OF ORLEANS—Milky white with cream throat. Tall, with many open, well placed flowers. Good.

Large—15c each; 12 for \$1.20

Medium—10c each; 12 for 85c

MAMMOTH WHITE—Immense pure white. Six or more inches across each floret. 5-6 open. The spike is like a large white plume the petals of the florets are so broad. Good keeper when cut. More talked of than any flower we grew this season. Again in the windows of the famous Santa Maria Inn it was a sensation. See title page for picture.

Large—3 for 25c; 12 for 75c

See 100 Price Page

Medium—5 for 25c; 12 for 50c

MARMORA—A tall lavender gray. Clear color, not a smoky, with petunia purple blotches. Large flowers, many open. Most unusual. Makes you think of gray georgette. No description can make you see it.

Large—3 for 25c; 12 for 75c

Medium—5 for 25c; 12 for 40c

MARY FREY—An early rose lavender with pretty glowing throat. Its chief value is its early blooming.

Large—12 for 75c

Medium—12 for 40c

MINUET—A winner at the shows, in the garden, or as a cut flower. This large flower, clear lavender, is a joy to grow, with its fine placement and waxy texture. It blooms later than Moody from the same sized bulbs. Easily at the top of the lavender list and only outclassed by Picardy on any color list.

Large—3 for 25c; 12 for 75c

Medium—5 for 25c; 12 for 40c

MOORISH KING—A very dark and beautiful deep red variety. Much darker than Koehl, but not as dark as Persia, but much taller. Stock still scarce.

Large—35c each; 3 for \$1.00

Medium—20c each; 3 for 50c

MOTHER MACHREE—Another “hard to describe”. Light gray with flashes of grenadine pink, yellow throat that makes it look as if lighted within. Fine spike and beautifully shaped florets. Very different and some think it the most beautiful variety.

Large—3 for 25c; 12 for 75c

Medium—5 for 25c; 12 for 40c

MRS. F. J. KNUDSEN—A good violet blue, with pretty throat. Florets medium sized but 5 to 6 open at once. Tallest of the violets.

Large—3 for 25c; 12 for 75c

Medium—5 for 25c; 12 for 40c

MRS. LEON DOUGLAS—Too well known to need description, huge begonia rose with scarlet splashes. Blooms earlier than Phipps, so you need them both. Fine from medium sized bulbs.

Large—3 for 25c; 12 for 75c

Medium—12 for 40c

MISS NEW ZEALAND—Apricot salmon suffused with rose. Distinctive peach colored blotch in throat. This variety is the first of a new giant strain. Opens eight or more immense well placed blooms on a long spike. Has been grown with eight inch flowers. Have seen it with six inch blooms under ordinary culture. This variety is a real break in growth and size. Will no doubt become immensely popular as soon as stock is available.

Large—\$4.00 each

Bulblets—40c each; 3 for \$1.00

MRS. VAN KONYNENBURG — Pronounced Ko-nine-n-burg in case you are not sure (we were not). This is the wisteria blue the most popular “blue” of those we grow. Tall, good sized flowers and as the spike opens out the color is still a delightful blue.

Large—3 for 25c; 12 for 75c

Medium—5 for 25c; 12 for 40c

MRS. W. P. SISSON—Cameo pink large waxy ruffled flowers. Its only fault is the spike could come a bit taller for the size of the flowers.

Large—12 for 60c
Medium—12 for 40c

NANCY HANKS—Apricot orange, reddish throat lines. Vigorous grower and rapid multiplier. Good cut flower and stands heat well.

Large—12 for 60c
Medium—12 for 40c

NETHERLAND PRINCE—A very showy bright salmon. Very tall, big flowers, with many open at once. We like it.

Large—15c each; 12 for \$1.50
Medium—10c each; 12 for \$1.00

ORANGE BUTTERFLY—The best orange primulinus, really tangerine shading through orange to yellow down in the throat. As many as eight or more butterfly-like flowers open at once on a long graceful bronzy spike. A decided "hit" with our many visitors.

Large—4 for 25c; 12 for 50c
Medium—12 for 35c

ORANGE QUEEN—Beautiful soft light orange, deeper at the edges, orange red lines in throat. Tall, clean, reliable grower. Good sized flowers, 4-6 open. One of the old reliables.

Large—4 for 25c; 12 for 50c
Medium—12 for 35c

"OUR SELECTION"—A large salmon red with brighter blotch bordered cream. The outer edge is usually flaked soft gray. The name was given in Australia by some system of voting as to popularity on a show. 6-8 open at once.

Large—3 for 25c; 12 for 75c
Medium—5 for 25c; 12 for 40c

PATRICIA CARTER—This lovely shell pink flower of waxy beauty with the small typed flowers is exquisite in flower arrangements for the table or in corsages where the large sized florets would be out of scale.

Large—4 for 25c; 12 for 50c
Medium—12 for 35c

PAUL PFITZER—A vivid purple violet, darker and more blue in tone than Dickens.

Large—4 for 25c; 12 for 75c

Medium—12 for 40c

PELEGRINA—The best dark violet **blue, almost sapphire**, that we have seen. No red in throat; blotch is dark blue. If you like the blue ones you will like this. Much more blue than Aida. New low price.

Large—3 for 25c; 12 for 75c

Medium—12 for 40c

PERSIA—Dark red, dark enough to appear almost black; in fact, the buds are like black velvet. Not as tall as some varieties. Always popular with our masculine visitors.

Large—3 for 25c; 12 for 75c

Medium—5 for 25c; 12 for 40c

PFITZER'S TRIUMPH — A giant flower on a giant spike. Orange red, with a smaller darker red orange spot on lower petals. The huge flowers are well placed, open flat and keep well.

Large—3 for 25c; 12 for 75c

Medium—12 for 40c

PICARDY—Sensational flower of delicate apricot peach pink. Never has a new gladiolus leaped into popularity so rapidly. Has won on all the shows. Early wonderful color—huge florets 6 to 7 in. in diameter. See 100 price page. One of which you can never have too many. It increases so rapidly the price has dropped amazingly. The medium bulbs make very fine spikes.

Large—3 for 25c; 12 for 75c

Medium—12 for 40c

PIRIE, JOHN T.—This is hard to describe. Well liked in our showrooms. Mahogany brown shading to mauve, butterfly markings of red bordered gold in the throat. Tall and outstanding, decidedly different. The flowers are of medium size.

Large—12 for 60c
Medium—12 for 40c

PHIPPS, MR. W. H.—One of the best, soft salmon pink, blended a bit darker. Many open at once, making a fine spike.

Large—12 for 75c
Medium—12 for 50c

PHYLLIS MILLER—We are glad to offer this fine new variety from Holland in color similar to Coryphee, but with a little more life in it and somewhat sturdier in growth. Florets open flatter and color carried to the tip, as the buds show the pink.

Large—3 for 25c; 12 for 75c

PRIMROSE PRINCESS—The finest yellow we grow. Neither Daffodil nor yet pale yellow, but in between. Shaded amber, nice throat, large florets well placed. Has side shoots for extra cutting. You will like its regal beauty. Prolific.

Large—3 for 25c; 12 for 75c
Medium—5 for 25c; 12 for 50c

PURPLE GLORY—Not purple at all but a rich, velvety crimson, darker throat blotches. Tall. Always a favorite.

Large—3 for 25c; 12 for 75c

QUEEN HELEN II—With Betty Nuthall as one of its parents, Queen Helen is much the same color, a little more pink in tone, the throat less orange, earlier than Nuthall, flatter opening, fine substance and an excellent cut-flower. Much admired. Does not burn in hot climates. Likely to be as famous as its parent. You will like it. Good propagator.

Large—3 for 50c; 12 for \$1.75
Medium—12 for \$1.25

RADIANT—Fine strawberry pink prim for flower arrangements.
Good.

Large—12 for 50c
Medium—12 for 35c

RED GLORY—Very beautiful ruffled glistening cardinal red. Visitors exclaim over it each year.

Large—3 for 25c; 12 for 75c
Medium—12 for 40c

RED LORY—Carmine rose with purplish red blotches, many open at once. When well grown is outstanding.

Large—3 for 35c

RED PHIPPS—Orange red, not quite as large as W. H. Phipps but earlier.

Large—3 for 25c; 12 for 75c
Medium—5 for 25c; 12 for 40c

REVUE—One of the outstanding with garden lovers. A beautiful primulinus of a soft tea color, about the last fourth of each petal being a soft rose pink. To add to its charm, the anthers are blue. Frenchy and attractive. Lovely in arrangement with pink roses.

Large—4 for 25c; 12 for 50c
Medium—12 for 35c

ROI ALBERT—About as hard to put in a color description as a Paisley shawl which it resembles. A soft toned smoky with a red throat laid on soft yellow, sanded red. Can you see the Paisley or tapestry effect?

Large—15c each; 12 for \$1.50
Medium—12 for 80c

ROSE ASH—The well known ashes of roses Gladiolus. Pastel shades. Tall growing and well liked.

Large—3 for 25c; 12 for 60c
Medium—12 for 35c

ROSE MIST—Color rose red only more red than rose. The very edge of each petal and even the leaves are edged neutral gray. A lovely exotic spike.

Large—4 for 25c; 12 for 50c
Medium—12 for 35c

ROSA RAISA—Another blue for your collection.

Large—3 for 25c

SALBACH'S ORCHID—This is really a rose pink Minuet, very lovely under artificial light. Long spike with many wide open flowers of fine form. Extra good.

Large—3 for 25c; 12 for \$1.00

Medium—5 for 25c; 12 for 60c

SALBACH'S PINK—A long graceful spike with 6-8 flowers open at once. Clear geranium pink with soft carmine throat markings.

Large—3 for 25c; 12 for 75c

Medium—12 for 40c

SCARLET BEDDER—True Mardarin red, lacquer red, large flowered finely spaced on a bronzy stem. A different looking spike in its graceful build. Try them in a Japanese arrangement.

Large—4 for 25c; 12 for 50c

Medium—12 for 35c

SEA FOAM—A really good small flowered white with just enough ivory to keep it from being dead white. Try it with fern in a green glass bowl or one of the apaque white ones, or with a touch of some small sized flowers of shell pink. Early—no bulbs after Feb. 1st as it sprouts then in our climate.

Large—12 for 50c

Medium—12 for 35c

SENORITA—A different shape; very large, wide open flowers with a salmon tinge, and carmine throat markings. A flower of frills and thrills. Our visitors like it.

Large—3 for 25c; 12 for 75c

Medium—12 for 40c

<p>SUNROOM MIXTURE—See Treasure Chests.</p>
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SYMPHONY—Light rosy pink with clear cream white blotch. This is about the color of Coryphee but never crooks. Medium size flowers. 6-8 or more open at a time. Should make a fine commercial and should be very popular with people who like Coryphee. Have also had many good reports on this one.

Large—3 for 50c
Medium—3 for 35c

TAWNY—A novelty that would attract attention in any garden. Unusual color and shape. Its name suggests its color, almost brown with a yellow undertone. Long petals, unlike any other Gladiolus in form.

Large—15c each
Medium—10c each

TIPLADY—We grow the improved. A selection from the old favorite. Tall, medium flowers of orange saffron, less inclined to crooked spikes than the original. Early cut flower.

Large—12 for 50c
Medium—12 for 35c

VEILCHENBLAU—A dark violet blue, lighter in throat. Fine spike, many open. Between Pelegrina and Van Konynenburg in color. More popular each year.

Large—3 for 25c; 12 for 75c
Medium—12 for 35c

VICTOR—Striking blood red flower with large pure white blotches on three lower petals and white mid-rib on two upper. Award of Merit, British Gladiolus Society.

Large—3 for 25c; 12 for 75c
Medium—12 for 40c

WURTEMBERGIA—Very large brilliant red with straw blotches in throat. Very tall, strong growing plant. The best in this color. Conspicuous anywhere.

Large—15c each; 12 for \$1.25
Medium—12 for 90c

TREASURE CHESTS

Eight outstanding collections, comprising many of the new and rare kinds, together with the best popular varieties. In buying these collections, you not only save money but you are getting the best stock obtainable. All selected from our regular stock. Collections postpaid. Order by name of Chest.

Blue Treasure Chest

- | | |
|------------------------|----------------|
| 6 Aida | 6 Veilchenblau |
| 6 Ava Maria | 6 Mrs. Knudsen |
| 6 Mrs. Van Konynenburg | 6 Pelegrina |
- 36 large bulbs, 1 1/4 in. up, labeled, for \$2.00, postpaid**
36 medium sizes for \$1.25

White Treasure Chest

- | | |
|-----------------|-------------------|
| 6 Mammoth White | 6 Helen Wills |
| 6 Magna Blanca | 6 Maid of Orleans |
- 24 bulbs postpaid**
Large—\$1.25 Medium—\$1.00

Golden Orange Chest

- | | |
|--------------------|---------------------|
| 5 Orange Queen | 5 Golden Dream |
| 5 Senorita | 5 Gay Hussar |
| 5 Orange Butterfly | 5 Primrose Princess |
- 30 large bulbs, 1 1/4 in. up, labeled, for \$1.50, postpaid**
30 medium sizes, 80c

Most Popular Chest

- | | |
|------------------------|---------------------|
| 6 Veilchenblau | 6 Picardy |
| 6 Mrs. Van Konynenburg | 6 Betty Nuthall |
| 6 Minuet | 6 Primrose Princess |
- 36 large bulbs, 1 1/4 in. up, labeled, \$2.00, postpaid**
36 medium sizes, \$1.25

Patriotic Chest

4 Commander Koehl 4 Helen Wills
4 Veilchenblau

Large—12 for 60c, postpaid
Medium—12 for 30c, postpaid

Oriental Rug Chest

2 Koehl (Red) 2 Persia (Dark Red)
2 Veilchenblau (Blue) 2 Aida (Dark Blue)
2 Senorita (Orange) 2 Dickens (Wine Red)
2 Pfitzers Triumph (Flame)

14 large bulbs, 75c, postpaid

“Smoky” Treasure Chest

2 Marmora 2 “Our Selection”
2 Emile Auburn 2 Roi Albert
2 Mother Machree 2 Bagdad
2 J. T. Pirie

14 large bulbs (7 varieties), 85c, postpaid

Order early or we may be sold out in some of the Chest varieties as the demand has always been heavy.

Santa Maria Chest

A choice collection in a wide, carefully selected range of colors at a special price.

Large sizes, 1 1/4 in. up, 100 for \$4.00; 50 for \$2.50, postpaid

Medium sizes, 3/4 in. up, 100 for \$2.00; 50 for \$1.35, postpaid

“Sunroom Mixture” Chest

Many years ago, when most of the Primulinus or smaller type gladiolus were rather dull in color and very hooded, we realized the need of “prims” for bowls, small vases, corsages, etc., where the large flowered types could not be used. So we started selecting from the newer varieties, as they were introduced, a fine range of colors, with the result that we can now offer a very choice assortment. These range in color from primrose yellow through apricot, orange, coral pink tones to a clear red, all in warm sunny shades.

On the Flower Shows, we find a rapidly increasing interest in the use of Flower Arrangements — “Table Arrangements”, “Mantle Arrangements”, “Japanese”, etc. The following mixtures are the most useful, especially the medium sized bulbs, as they make shorter spikes and are so inexpensive—and we will put up any special selection at the prices given below.

One day a customer came in and seeing a bowl of them in the varied colors said: “Just what I want for my sunroom, colorful, but not the large, heavy spikes.” Hence the name Sunroom Mixture.

All are named varieties—the best obtainable in their form and colorings grown and carried by name and put up in these collections as you order them—not just hit and miss “mixture” of odds and ends.

SUNROOM MIXTURE

Ada de Poy (Apricot)	Golden Amber (Amber Yellow)
Tiplady, Imp. (Orange Pink)	Golden Frills (Golden)
Coral Prim (Soft Coral)	Souvenir (Daffodil Yellow)
Radiant (Bright Coral)	Scarlet Bedder (Mandarin Red)
Revue (Pink)	Orange Butterfly (Orange)
Apricot Glow (Apricot)	Patricia Carter (Pink)

Large bulbs—12 for 50c; 30 for \$1.00; 100 for \$2.50

Medium bulbs—no dozens; 50 for \$1.00; 100 for \$1.50

Mixed sizes for longer blooming season—100 for \$2.00

All the above are postpaid

GLADIOLUS BULBS PRICED PER 100**Subject to stock on hand—All Labeled****50 at 100 rate**

Variety	Large	Medium
AIDA	\$4.00	\$2.50
APRICOT GLOW	3.00	2.00
AVE MARIA	4.00	2.00
BETTY NUTHALL	3.50	2.75
COMMANDER KOEHL	4.50	3.00
DR. MOODY	4.00	2.00
ETHELYN	3.00	2.50
EMILE AUBRUN	4.50	3.00
GLORIANA	3.50	2.50
GOLDEN DREAM	3.50	2.50
HELEN WILLS	3.50	2.00
MAMMOTH WHITE	4.50	3.00
MARMORA	4.00	2.00
MOTHER MACHREE	4.50	3.50
MRS. T. J. KNUDSEN	4.50	3.50
PAUL PFITZER	3.00	1.75
PICARDY	4.00	2.50
PRIMROSE PRINCESS	3.00	2.00
SALBACH'S ORCHID	5.50	3.50
VEILCHENBLAU	3.50	2.00
EXHIBITION MIXED	4.00	2.75

GIFTS OF BULBS

Have you ever thought of Gladiolus bulbs as Birthday or Christmas Gifts, or for prizes? Every year we are putting up a greater number of boxes of bulbs for Gifts. We put in a fancy box any bulbs you may select, each variety named, of course, and enclose a card which you send us, or a suitable one we select, and mail them for the proper day. In the parts of the country where it is not well to ship during the winter, we send a card to arrive when you desire, saying: "At proper planting time, we will send, etc., the gift of—" then later, when we send the bulbs, we enclose a card saying, "These are the bulbs you have been expecting, the gift of—".

For a gift, add 25c to the catalogue price of the bulbs you wish sent, to cover actual cost to us for appropriate box and card.

No gift order in special wrappings for less than \$1.50.

We are glad at any time to send a catalogue to any of your friends, or, if you have finished with this one, we would appreciate your giving it to someone who is a flower lover.

The following was written to a customer of ours by her sister about bulbs we sent for her:

"The lovely Gladiolus bulbs you sent me are blooming again and are just as fine this year. I never saw such large ones nor a violet blue before. It was a delightful gift."

—Mrs. J. S. H., Indianapolis, Ind.

CULTURAL INSTRUCTIONS

When to plant your bulbs is partly a matter of where you live. We recommend early planting; that is, as soon as you are sure the ground is warming, for *Gladiolus* do not like to start in cold wet ground. In frost-free places, any time **after the first of the year**. One reason for this advice is that if any pest should decide to move into your garden, they are more likely to do so in the later season when it is hot.

If you have heavy soil, sand will help; not just sandy soil but sand such as builders use. Peat is fine if well-mixed into the soil long before planting so that it is thoroughly incorporated with the earth. Otherwise, a lump of peat may come in close contact with the bulb and hold the moisture in one place, thereby causing serious injury to the bulb. If you can prepare the place where you expect to plant the bulbs ahead of time, bonemeal (the finer ground the better), or any good fertilizer can be mixed with the earth, but be sure it is well mixed or particles of it may be washed against the bulb and burn it. Do not use fertilizer at planting time unless you scatter a light dressing over the top of the earth, to be dissolved by the time the bulbs are up and the roots ready to use it.

Do not use manure near any bulb unless the manure is old and well decayed. Plant away from trees and shrubbery as *Gladiolus* like sunshine. It is a temptation to plant among shrubbery with the picture in mind of the bloom stalks coming up among the greenery, but the roots of the stronger plants use much of the moisture and later it is hard to withdraw the moisture and ripen off the bulbs.

1. Plant from four to six inches deep (large bulbs deeper than small ones), and about six inches apart. A bit deeper if the soil is sandy.

2. Three rows wide gives a better appearance than a single row if staggered in a trench like a checker board, making staking unnecessary, although the taller sorts with many blooms open at once will need support. A stake at each end of the row with twine or wire stretched between and the single spike tied to this

shows very little and gives good support. Over-fertilizing will tend to make them “flop”, too. But the better sorts have fine straight stems that stand up well.

3. If you are planting bulbs that you have carried over from last season dip them for twelve to twenty-four hours in a solution made up in the proportion of one ounce of Bi-chloride of Mercury to ten gallons of water. Your druggist will put this powder up for you in the amounts you need for small or large quantities of bulbs.

Use non-metal containers, as Bi-chloride of Mercury attacks metal. For small numbers of several varieties of bulbs we use large fruit jars. Put bulbs in jars, mix solution in larger container and pour over the bulbs, after six hours pour off the solution and plant the bulbs—easy to do? Remember Bi-chloride of Mercury is POISONOUS so do not leave around where humans or animals can get into it.

We treat every bulb we plant, destroying any questionable looking ones and treating only good clean stock, this is an insurance against any trouble from the outside. This treatment delays blooming a week or so. Allow for that if planning bloom for a certain time.

Peeled or sprouted bulbs should not be left in solution more than six hours.

USE SOME FERTILIZER FOR FLOWERS

If you wish to increase the size of your flowers, work in some fertilizer around the plants when they are eight or nine inches high and again when the flower spike begins to show. **Plenty** of water is necessary, too. We have found that a plant has seven leaves before the bloom spike shows and it is then about three weeks before the flowers are at their best. But remember that large florets are bred in the variety and no amount of fertilizer or care can make the flower of a smaller typed sort grow to the size of the newer large kinds. It will improve the spike a lot, but size is in the variety.

CUTTING BLOOM

The wonderful popularity of *Gladiolus* has been due to its fine keeping qualities as a cut flower. It has no fragrance to make the air oppressive—new florets keep opening for days.

When cutting flowers use a knife with a small blade. Leave at least four leaves or else you spoil the bulb for next year. With a little practice you can run your knife blade down along the stalk and get a good long stem without cutting a leaf. In fact, it is better to cut the flower-spike carefully than to let the flower bloom clear out and the stalk ripen seed. If you do not use the flower for cutting, top it later to keep it from forming seed.

BULBS MUST HAVE CHANCE TO RIPEN

We are often asked: "How long shall I water after the bulbs bloom?" If you will examine a plant you will find that just after blooming time the new bulb makes most of its growth. So water for a month or more, in fact, until the leaves begin to turn brown, then withdraw water if you can and let the bulb and bulblets ripen. Some varieties ripen more quickly so it is hard to give any set rule, but it is best to dig before they die clear down. Never pull the tops off or the bulbs up. Dig them.

After digging, cut the stem off half an inch from the bulb, spread out to dry in the sun being careful to cover lightly with the old tops to avoid any danger of sunburn, and allowed to remain so for a week or ten days. They should then be cured enough for the old bulb to be easily removed. Never pry the old bulb away. Some people leave their bulbs in the ground more than one year, but you will have better flowers if they are dug and allowed to cure.

Do not remove the husks—just clean off the base of the bulb. If you want to save the bulblets, they can be put away in paper sacks or left with the bulbs. In the small garden and with bulbs obtainable at such reasonable prices it seems hardly worth the time and energy to grow bulblets two years to get good bloom from them.

STORING

As thrip has been found in many localities, I would suggest that for safety (see thrip treatise on page 30) everyone put the bulbs, after they are thoroughly dry, into paper sacks, shoe boxes or some container that can be tightly closed and scatter over them a dusting of Naphthalene flakes, keeping the container closed for two or three weeks to kill any insects or eggs, then open so the bulbs will have air. Keep them in a cool, dark, well-ventilated place, if you want to retard the time of sprouting.

We advise changing the place of planting if possible as they use certain elements in the soil for growing and it is hard to know exactly what to put back.

“How many bulbs will I get from the bulb I plant?” This varies, but you get one for each bloom spike. Some bulbs throw one, some two and we have had five and six. Of course there is always the bulblet increase, too, but even if you have many bulbs there is **always a thrill about new varieties**. A garden is like a house—it gets out of date in these days of change and improvements.

We are often asked concerning the pronunciation of our flower. The American Gladiolus Society voted to use the word Gladiolus, both for singular and plural and most of the growers are so doing. (Glad-e-o-lus.)

BEST VARIETIES

“What are the best varieties?” Price is not a consideration in this. We try to keep up with the advancement being made in varieties and offer the best available in their class and color. THE BEST may be an old well known variety in a certain color or a new, scarce variety in another. Souvenir, Phipps and Picardy are good examples of this.

BLOOMING DATES

Depending on the variety, soil, temperature, amount of sun and water and size of bulb.

1. Anywhere from 70 to 100 days after planting. If you have late frosts and cold ground, carefully remove the husk, place the bulbs in a warm sunny window so they will sprout. An inch or two sprout started this way and carefully planted hastens blooming date. In this connection it is not advisable to hold your bulbs in storage until the sprouts start and are inches tall; it makes poor, crooked spikes.

SIZES TO TRY

Usually a large bulb will produce the best blooms. Large bulbs average $1\frac{1}{2}$ inches in diameter, but a medium bulb (1 inch) will give a big bloom, although the spike will not be quite so tall nor will there be quite so many open at once, and, of course this size costs less. In fact a young medium bulb will produce a far finer spike than an old overgrown one sold at a "bargain" as evidenced in shabby growth and poor spike of bloom. Do not buy bulbs on price alone—be sure the firm from which you buy will make good, if anything goes wrong. However, for show spikes No. 1 bulbs are recommended.

THRIP AND THEIR CONTROL

During the past few years a tiny slender bug ranging in color from light brown to almost black has caused a great deal of damage to Gladiolus blooms. This bug is known commonly as Gladiolus Thrip. It lives by sucking the juices from the leaves. This gives the leaves a scarred or sunburned appearance and the flowers look faded and misshapen. The Gladiolus Thrip lives between the close fitting leaves and for this reason is hard to control. They start doing their damage when the plants are very young and control should start at the time the plants are about three inches high.

Since this insect is such a tremendous problem to Gladiolus growers, we have gone to a great deal of expense and trouble to locate a control for our growers. In 1934 we recommended the best thing we knew at the time. This was a lead arsenate mixture which was very bothersome to prepare and use. Early this year we found a spray known as BARFOOT GARDEN INSECTICIDE which has as the killing element ROTENONE. We have checked this material very carefully from the manufacture of it to the use of it in our own fields all through the growing season. We can wholeheartedly recommend it. We quote from the report of Dr. R. C. Roark, Chief of Insecticide Division of the Bureau of Chemistry and Soils: "Rotenone is 30 times as toxic as lead arsenate as a stomach poison—15 times as toxic as nicotine as a contact spray." Barfoot's Garden Insecticide is easy to use since it is not necessary to add any other ingredient except water. It does not wilt, burn or discolor flowers or leaves. The only precaution necessary in using this material is DO NOT USE AROUND OR IN A FISH POND. It is just as deadly to fish as it is to insects. In fact, it works only on cold-blooded animals. It is used at the rate of one level teaspoonful to one gallon of water; one pint to 100 gallons of water. Very inexpensive, is it not?

METHOD OF CONTROL

Start with clean bulbs. When the plants are about 3 inches high, spray them thoroughly with a 1 to 800 solution of Barfoot Garden Insecticide as described above. Continue spraying this way every ten days or two weeks until after blooming. If during the blooming season you should see a diseased looking spike or flower, cut off the flower spike carefully, wrap in paper and burn, leaving the leaves to mature your bulb. Many growers are careless and leave the damaged spike on the ground thus allowing the Thrip to mature and increase. Total destruction of the plant is not necessary. Panic has needlessly destroyed many bulbs that could have been saved. If you follow this method, we feel absolutely sure you will have no trouble from Thrip damage.

Again we repeat, start with clean bulbs. We have always treated our bulbs before planting; sprayed during the growing season and stored the bulbs in a room with Napthalene flakes scattered thickly about. We have had no trouble with Thrip. This year we have fitted up a new fumigating chamber, and, though we have had no Thrip damage, we are going to fumigate all our bulbs with Cyanide gas. This is to assure you that all of our bulbs are protected from Thrip to the best of our ability.

For your convenience, we are stocking Barfoot Garden Insecticide so that you may order it at the same time as your bulbs, or send your order to us at any time. It is packed in the following sizes:

Gallons , for estates, making 800 gallons.....	\$15.00
Half Gallons “ 400 “ 	8.00
Pints “ 100 “ 	2.50
4-Ounce Bottles “ 25 “ 	1.00
1 ½ -Ounce Bottles, for small gardens “ 9 “ 50

California orders please add 3% Sales Tax.

The last two sizes can be shipped with bulb orders, the other three can go express or post, charges collect. California orders require Sales Tax.

If you desire any further information, my son, Robert A. Nichols, who is taking care of Thrip Control, will be glad to give it to you. This spray is also fine as a general insecticide and if used as directed, will clean up your whole garden. But if you are using this spray, please do not use it in conjunction with any other as the chemical content of the other spray may offset the effects of the Barfoot Insecticide.

"The Barfoot Insecticide which I bought from you worked fine on my fuchsias and I expect to use it on my glads next season."
Pasadena, California.

"The few bulbs I got from you were magnificent—Barfoot worked well."
Illinois.

"They are definitely the most beautiful flowers I have ever seen. The individual blooms measured more than six inches across and are larger and finer than any grown around here."
Northampton, England.

"We are so proud of our "Glads" we are only too anxious to let you know how well they do here in Texas, we really should have bought many more."
Texas.

